

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

ame of the work: Estimate for Improvements to Roads and Drains at Hegdenagara Main
ad Left Side Cross Roads in Ward No. 06, Hegdenagara Village Limits.

Estimate Cost: **6000000.00**

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 152 / Item No. 19.2 / PWD SR 2013-14	Cum							
Desilting of Drains								
6th Cross Road LHS Hegdenagara		2	90.00	0.60	0.45	48.60		
7th Cross Road RHS		2	205.00	0.60	0.45	110.70		
8th Cross Road		2	210.00	0.60	0.45	113.40		
9th Cross Road		2	210.00	0.60	0.45	113.40		
10th Cross Road		2	220.00	0.60	0.45	118.80		
11th Cross Road		2	197.00	0.60	0.45	106.38		
Berm Cutting								
6th Cross Road LHS Hegdenagara		2	90.00	1.00	0.30	54.00		
7th Cross Road RHS		2	205.00	1.20	0.25	123.00		
8th Cross Road		2	210.00	1.20	0.25	126.00		
9th Cross Road		2	210.00	1.20	0.25	126.00		
10th Cross Road		2	220.00	1.20	0.25	132.00		
11th Cross Road		2	197.00	1.20	0.25	118.20		
						1290.48	90.72	117072.00
Basic Rate	84.00							
Area Weightage @8%	6.72							
Total	90.72							
2 Removing B.S. Slab Drain and stacking (P. 28 / I. 5.32 PWD SR - 2013-14)	Sqm							
6th Cross Road LHS Hegdenagara		2	150.00		1.65	495.00		
7th Cross Road RHS		2	205.00		1.35	553.60		
8th Cross Road		2	210.00		1.65	693.00		
9th Cross Road		2	210.00		1.65	693.00		
10th Cross Road		2	220.00		1.65	726.00		
11th Cross Road		2	175.00		1.65	577.50		
						3735.60	50.11	187198.00
Basic Rate	46.40							
Area Weightage @8%	3.71							
Total	50.11							
3 Refixing stone slabs of drains and pointing in CM (1:3) (P. 28 / I. 5.33 PWD SR - 2013-14)	Sqm							
						Vide Item No.2*80%	2988.48	70.04
								209307.00

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Basic Rate	64.85							
Area Weightage @ 8%	5.19							
Total	70.04							
Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick Page No. 28 / Item No. 5.31.1/ PWD SR 2013-14								
	Sqm							
Missing Length		2	45.00		1.65	148.50		
Missing Length		2	40.00		1.65	132.00		
Missing Length		2	45.00		1.65	148.50		
Missing Length		2	40.00		1.65	132.00		
Missing Length		2	45.00		1.65	148.50		
						709.50	343.44	243671.00
Basic Rate	318.00							
Area Weightage @ 8%	25.44							
Total	343.44							
KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 175 / Item No. 21.3 / PWD SR 2013-14								
	Sqm							
6th Cross Road LHS Hegdenagara		1	90.00	5.50		495.00		
7th Cross Road RHS		1	205.00	5.50		1127.50		
8th Cross Road		1	210.00	5.50		1155.00		
9th Cross Road		1	210.00	5.50		1155.00		
10th Cross Road		1	220.00	5.50		1210.00		
11th Cross Road		1	197.00	5.50		1083.50		
						6226.00	72.79	453203.00
Basic Rate	67.40							
Area Weightage @ 8%	5.39							
Total	72.79							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications (P. 170 / I. 20.18) PWD SR - 2013-14.								
	Cum							
Road Cutting Portion								
6th Cross Road LHS Hegdenagara		1	90.00	0.60	0.20	10.80		
7th Cross Road RHS		1	205.00	0.60	0.20	24.60		
8th Cross Road		1	210.00	0.60	0.20	25.20		
9th Cross Road		1	210.00	0.60	0.20	25.20		
10th Cross Road		1	220.00	0.60	0.20	26.40		
11th Cross Road		1	197.00	0.60	0.20	23.64		
Road Surface								
6th Cross Road LHS Hegdenagara		1	90.00	5.50	0.20	99.00		
7th Cross Road RHS		1	205.00	5.50	0.20	225.50		
8th Cross Road		1	210.00	5.50	0.20	231.00		
9th Cross Road		1	210.00	5.50	0.20	231.00		
10th Cross Road		1	220.00	5.50	0.20	242.00		
11th Cross Road		1	197.00	5.50	0.20	216.70		
						1381.04	1121.04	1548201.00
Basic Rate	1038.00							
Area Weightage @ 8%	83.04							
Total	1121.04							
KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 (P.175 / I.21.1) PWDSR 2013-14								
	Sqm							
6th Cross Road LHS Hegdenagara		1	90.00	5.50		495.00		
7th Cross Road RHS		1	205.00	5.50		1127.50		
8th Cross Road		1	210.00	5.50		1155.00		
9th Cross Road		1	210.00	5.50		1155.00		
10th Cross Road		1	220.00	5.50		1210.00		
11th Cross Road		1	197.00	5.50		1083.50		
						6226.00	10.53	65560.00
Basic Rate	9.75							
Area Weightage @ 8%	0.78							
Total	10.53							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRRB 500-5: providing and applying primer coat from 12.2 to 14.6kg per 10 sqm for surfaces of high porosity over prepared surface of granular base with cut back M.C.-70 or any other bitumen mixed with diesel at 13 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 175 / Item No. 21.5 / PWD SR 2013-14	Sqm							
						Qty Vide Item No. 6	6226.00	
							6226.00	142.07 884553.00
Basic Rate	131.55							
Area Weightage @ 8%	10.52							
Total	142.07							

KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications With 60/70 grade bitumen using 40-60 HMP, No. 178 / Item No. 21.20.4 / PWD SR 2013-14.

	Cum							
6th Cross Road LHS Hegdenagara	1	90.00	5.50	0.025	12.38			
7th Cross Road RHS	1	205.00	5.50	0.025	28.19			
8th Cross Road	1	210.00	5.50	0.025	28.88			
9th Cross Road	1	210.00	5.50	0.025	28.88			
10th Cross Road	1	220.00	5.50	0.025	30.25			
11th Cross Road	1	197.00	5.50	0.025	27.09			
						155.65	9981.36	1553599.00
Basic Rate	9242.00							
Area Weightage @ 8%	739.36							
Total	9981.36							

Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123)

Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00

Cum								
		Vide Item No. 1	1290.48	72.71	93825.00			

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	72.71							
11	Sub Total								5356189.00
12	KRIDL Service Charges and Applicable Taxes @ 11%								589181.00
13	For Third Party QC Charges @ 1%								53562.00
14	Miscellaneous and other Charges	L/S							1068.00
								Total	6000000.00

(Rs. Sixty Lakhs Only)

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per P.W.D S.R of 2013-14.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Executive Engineer
Mahanagara Sub-division
KRIIDL BBMP, Bangalore

Assistant Engineer

Technical Manager
KRIDL

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 60.00 Lakhs

Rupess Sixty Lakhs only

110 village Grants

Subject to conditions of the enclosed memo EE ()

Dt. 23-12-2013 Rs. 60.00 Lakhs
All ems (v2) As per 5.67/13-14

Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

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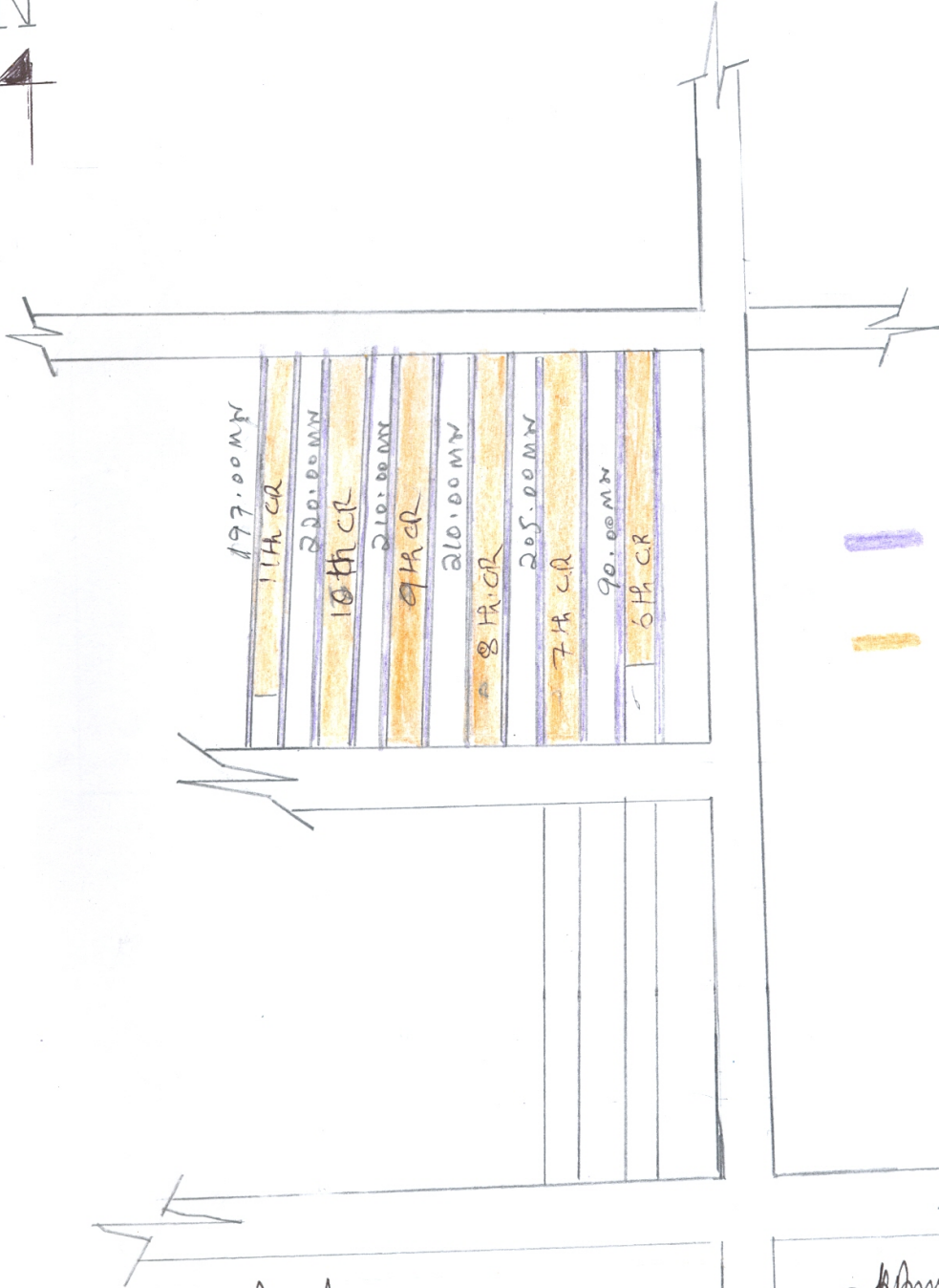
Technical Sanction for Rs. 60.00 Lakhs only
(Rs. Sixty Lakhs only)

is accounted for Rs. 22.654

registered in AE No. 193/13-14 Subject to Condition contained in enclosed memo No. 193/13-14 Dt. 23.12.2013

AE/JE TA SE (BTP) CE (BTP)

Improvements to Roads and Drains at Hegdenagara Main Road Right Side Cross
Roads in Ward No. 06 in Hegdenagara Village Limits.



R.P. - 3Lag Drain

S.D.B.C

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ